2016
Major Automated Information System
Annual Report

Global Combat Support System-Army Increment 1 (GCSS-A Inc 1)

Defense Acquisition Management
Information Retrieval
(DAMIR)

Table of Contents

Common Acronyms and Abbreviations for MAIS Programs

Acq O&M - Acquisition-Related Operations and Maintenance
ADM - Acquisition Decision Memorandum
AoA - Analysis of Alternatives
ATO - Authority To Operate
APB - Acquisition Program Baseline
BY - Base Year
CAE - Component Acquisition Executive
CDD - Capability Development Document
CPD - Capability Production Document
DAE - Defense Acquisition Executive
DoD - Department of Defense
DoDAF - DoD Architecture Framework
FD - Full Deployment
FDD - Full Deployment Decision
FY - Fiscal Year
IA - Information Assurance
IATO - Interim Authority to Operate
ICD - Initial Capability Document
IEA - Information Enterprise Architecture
IOC - Initial Operational Capability
IP - Internet Protocol
IT - Information Technology
KPP - Key Performance Parameter
$M - Millions of Dollars
MAIS - Major Automated Information System
MAIS OE - MAIS Original Estimate
MAR – MAIS Annual Report
MDA - Milestone Decision Authority
MDD - Materiel Development Decision
MILCON - Military Construction
MS - Milestone
N/A - Not Applicable
O&S - Operating and Support
OSD - Office of the Secretary of Defense
PB - President's Budget
RDT&E - Research, Development, Test, and Evaluation
SAE - Service Acquisition Executive
TBD - To Be Determined
TY - Then Year
U.S.C- United States Code
USD(AT&L) - Under Secretary of Defense for Acquisition, Technology, & Logistics

Program Information

Program Name
Global Combat Support System-Army Increment 1 (GCSS-A Inc 1)

DoD Component
Army

Responsible Office

Program Manager	
LTC Christopher Romero 3811 Corporate Road Suite C Petersburg, VA 23805 christopher.j.romero2.mil@mail.mil	**Phone:** 804-734-5601 **Fax:** **DSN Phone:** 687-5601 **DSN Fax:** **Date Assigned:** July 3, 2013

References

MAIS Original Estimate
April 17, 2013

Approved APB
Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated January 16, 2013

Program Description

Global Combat Support System-Army (GCSS-A) is the primary tactical logistics enabler and combat multiplier to achieve Army Transformation and the Sustainment Transformation Vision. GCSS-A has two components: a functional capability for deployable forces titled GCSS-A and a technical enabler titled Army Enterprise Systems Integration Program, formerly known as Product Lifecycle Management Plus. The two components are managed as a single program.

GCSS-A is being developed incrementally. Increment 1 provides the tactical Warfighter with supply, maintenance, property accountability, integrated materiel management center, management functionality and support to tactical financial processes. Increment 1 is divided into three releases. Release 1.0 was an operational assessment of the GCSS-A retail supply functions at the National Training Center with the 11th Armored Cavalry Regiment. Release 1.1 completed an operational assessment with an Initial Operational Test and Evaluation of the GCSS-A system providing the 2nd Brigade, 1st Armored Division, with Retail Supply Functions, Unit Level Supply, Maintenance, Property Book and Finances (support to tactical and installation supply and maintenance). Release 1.2 will provide a disconnected Maintenance capability and additional Finance capabilities.

GCSS-A Increment 2 is planned to add Aviation Enterprise capabilities, provide the Army enhanced Business Intelligence / Business Warehouse capabilities and extend GCSS-A capabilities to Army Pre-Positioned Stock to increase efficiency and improve information flow to decision makers.

Business Case

Business Case Analysis, including the Analysis of Alternatives:

A business case analysis for the program was conducted in accordance with Section 2366a of Title 10, United States Code (USC) and certified by the OSD, Director, Acquisition Resources and Analysis on June 20, 2008 in advance of MS B. The GCSS-Army program demonstrated that the business requirements outlined in the KPP from the Joint Requirements Oversight Council (JROC)-approved CDD were properly reviewed, validated and aligned with the program business case. Key functional requirements for the program include meeting the Net-Ready established requirements and meeting critical logistics functions to include property accountability, supply operations, maintenance operations, sustainment integration and data sharing. As part of the business case, the AoA, which was concluded on April 6, 2002, was revalidated on October 24, 2005, May 25, 2007, and most recently on April 14, 2010. The AoA determined that the continued development of the Standard Army Management Information Systems (STAMIS) was not preferred since the STAMIS systems are not interoperable and do not easily share information, products, or capitalize on software development advances. Further, the STAMIS systems do not meet Information Assurance requirements for continued operations on Army networks. The decision was to develop and build an Enterprise Resource Planning (ERP) solution based on commercial off-the-shelf (COTS) products to produce an enterprise wide tactical logistics system for the Army. An Economic Analysis (EA) was performed in support of MS B which was approved by the MDA on July 21, 2008, allowing the program to enter the Engineering, Manufacturing and Development Phase.

Firm, Fixed-Price Feasibility: The determination of the contract type was based on cost risk associated with the estimated cost of satisfying the requirement, not any lack of clarity of the technical requirement. The MDA has selected a cost-type contract because development tasks are sufficiently complex and technically challenging that it is impossible to precisely estimate the cost of satisfying the requirements, and it is not practicable to reduce cost and technical risk to a level that would permit the use of a fixed-price contract.

Independent Cost Estimate: An Independent Cost Estimate (ICE) was conducted on GCSS-Army by OSD Cost Analysis Improvement Group (CAIG) on May 17, 2008. Since MS B, the program has not experienced a Critical Change which would induce the independent cost estimate required by 10 U.S.C. 2334(a)(6).

Certification of Business Case Alignment; Explanation: I certify that all technical and business requirements have been reviewed and validated to ensure alignment with the business case. This certification is based on my review of the Section 2366a business case, key functional requirements, AoAs, and EA described above.

The above information was certified and provided to Congress in the 2011 MAIS Annual Report.

Business Case Certification:
Name: Gary L. Winkler, PEO EIS

Business Case Changes

There has been no significant change to the Business Case since it was last certified; however, new information is provided.

The program had another revalidation of the AoA on January 4, 2012, and another economic anaylsis was completed on November 14, 2012, in advance of a successful FDD. The program is now in the O&S Phase.

Program Status

Annual Report: The program is substantially on track to remain within the schedule, cost and performance thresholds identified in the Original Estimate; there have been no Significant or Critical Changes (as defined by 10 U.S.C. Chapter 144A) reported since the previous annual report to the Congressional defense committees.

Schedule

Schedule Events		
Events	**Original Estimate Objective**	**Current Estimate (Or Actual)**
Funds First Obligated	Jul 2008	Jul 2008
Milestone B - Increment I	Jul 2008	Jul 2008
Milestone C - Increment I	Feb 2011	Aug 2011
Full Deployment Decision (FDD)[1]	Feb 2012	Dec 2012
Full Deployment (FD)[2]	Sep 2017	Mar 2018

Memo

1/ GCSS-A Increment 1 achieved a successful FDD in December 2012. The actual date of December 2012 for FDD represented a Significant Change from the Original Estimate of February 2012. All appropriate reporting was completed.
2/ GCSS-A realized a $16M Other Procurement, Army decrement in FY 2016 which will possibly cause, in part, a potential six month slip in fielding with a new Wave 2 completion date of March 2018. As a result, GCSS-A could potentially fail to meet its objective date and the Army's auditability required date of September 2017.

Performance

Performance Characteristics		
Original Estimate Objective/Threshold		**Current Estimate (Or Actual)**
Net-Ready		
All activity interfaces, services policy-enforcement controls and data-sharing of the Net-Centric Operations and Warfare and Reference Model (NCOW-RM) and Global Information Grid-Key Interface Profiles (GIG-KIPS) will be satisfied to the requirements of the specific Joint integrated architecture products. This includes data correctness, data availability, data processing and information assurance accreditation specified in the threshold (T) and objective (0) values.[1, 2]		
100 percent of all activity interfaces, services, policy-enforcement controls and data-sharing of the NCOW-RM and GIG-KIPS will be satisfied to the requirements of the specific Joint integrated architecture products. This includes data correctness, data availability, data processing and information assurance accreditation, specified in the threshold (T) and objective (0) values.	100 percent of all activity interfaces, services, policy-enforcement controls and data-sharing of the NCOW-RM and GIG-KIPS will be satisfied to the requirements of the specific Joint integrated architecture products. This includes data correctness, data availability, data processing and information assurance accreditation, specified in the threshold (T) and objective (0) values.	Met Objective.
Mission Critical Functions		
Increment I, KPP 2 of GCSS-Army will provide the following capabilities: Property accountability, Supply operations, Maintenance operations, Logistics Management, Combat Service Support (CSS) integration and data sharing. To enable these capabilities, GCSS-Army will perform the functions identified in Appendix "P" of the CDD.[1, 2]		
Meet or exceed the standards and metrics required in current Army Regulations (AR).	Meet or exceed the standards and metrics required in current Army Regulations.	Met Threshold.
Information Technology (IT) Compliance		
Be compliant with the IT standards contained in the Network Centric Enterprise Services (NCES).[1, 2]		
Same as threshold	Threshold value Objective value: 100 percent of the values listed in the GIG and NR-KPP	Met Objective.
Security		
GCSS-Army will comply with the relevant system security requirements contained in the following reference documents: AR 380-19; AR 25-1 ; Presidential Directive 63; Department of Defense (DoD) Directive 8500.1; DoD Instruction (DODI) 8500.2; and National Security Telecommunications and Information Systems Security Policy No. 11.[1, 2]		
Provide a secure system for all transactions in the future, based on the Army approved technical and security architectures.	GCSS-Army shall meet and maintain minimum Information Assurance (IA) Defense in Depth standards, including certification and accreditation per the Defense Information Technology Security Certification and Accreditation Process (DITSCAP) process.	Met Objective.

Memo

1/ KPPs were refined in the JROC approved CPD approved in June 2011. Revised NR-KPP is in agreement with the NR-KPP described in CJCSI 6212.01E approved December 2008.

2/ Program successfully met all KPP thresholds as a result of a successful Initial Operational Test and Evaluation in October 2011 and received the Joint Interoperability Test Command Certification in October 2012.

Acronyms and Abbreviations

AR - Army Regulation
CJCSI - Chairman Joint Chief of Staff Instruction
CSS - Combat Service Support
DITSCAP - DoD Information Technology Security Certification and Accreditation Process
DODI - DoD Instruction
GIG-KIP - Global Interface Grid-Key Interface Profiles
JROC - Joint Requirements Oversight Council
NCES - Network Centric Enterprise Services
NCOW-RM - Net-Centric Operations and Warfare and Reference Model
NR - Net-Ready
O - Objective
T - Threshold

Cost

Appropriation Category	BY 2008 $M		TY $M	
	Original Estimate	Current Estimate Or Actual	Original Estimate	Current Estimate Or Actual
Acquisition Cost				
RDT&E	957.0	1026.7	997.4	1059.7
Procurement	733.0	768.6	834.5	872.3
MILCON	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	0.0	0.0
Total Acquisition Cost	1690.0	1795.3	1831.9	1932.0
Operating and Support (O&S) Cost				
Total Operating and Support (O&S) Cost	1706.0	1604.5	2137.0	1977.7
Total Life-Cycle Cost				
Total Life-Cycle Cost	3396.0	3399.8	3968.9	3909.7

(Table title: GCSS-A Inc 1)

Cost Notes

1. This report and the Budget Year IT-1 Exhibit cover different time periods thus the costs will not match.
2. Then Year dollars are included for information purposes only; cost variances will be reported against Base Year dollars.
3. The O&S costs reflect all work performed during that phase, regardless of the type or source of funding.